

Amendments to the Abstract:

Please add the following new Abstract of the Disclosure as a separate page after the claims:

ABSTRACT TO THE DISCLOSURE

Composite material (10) comprises a substrate (1) and a chemically, mechanically, physically, catalytically and/or optically functional titanium oxide layer (2), applied on at least one side thereof. A titanium oxide layer (2) is deposited on the substrate (1) as a base layer (3), made from TiO_x with an oxygen content of $0.7 \leq x < 2$, or made from $\text{TiO}_x(\text{OH})_y$ with an oxygen content of $0.5 \leq x < 2$ and a hydroxide content of $0 \leq y < 0.7$ and an upper layer (4) of amorphous and/or crystalline TiO_2 applied to said base layer (3). In a first method variation, firstly a base layer (3) of TiO_x with an oxygen content of $0.7 \leq x < 2$ is reactively or non-reactively deposited, then, through an increase in the oxygen content, the process pressure, the capacity and/or the substrate temperature, an upper layer (4) of amorphous and/or crystalline TiO_2 is deposited. In a second method variation, firstly a base layer (3) of TiO_x with an oxygen content of $0.7 \leq x < 2$ is reactively or non-reactively deposited and then post-oxidized on the surface by means of an electrochemical, thermal and/or plasma process, until the base layer (3) is converted into amorphous or crystalline TiO_2 at least partly in an upper layer (4).